

1-12-76

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EEE BRANCH REVIEW

DATE: IN _____ OUT _____ IN _____ OUT _____ IN 11/25/76 OUT 1/12/76
FISH & WILDLIFE ENVIRONMENTAL CHEMISTRY EFFICACY

FILE OR REG. NO. 1471-97

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED 6/23/75

DATE OF SUBMISSION 6/04/75

DATE SUBMISSION ACCEPTED _____

TYPE PRODUCT(S): I, D, (H,) F, N, R, S Herbicide

PRODUCT MGR. NO. 25

PRODUCT NAME(S) Spike

COMPANY NAME Elanco Products Co.

SUBMISSION PURPOSE Label revision--use low rates to maintain vegetation control

CHEMICAL & FORMULATION (Tebuthion) N-[5-(1-1-dimethylethyl)-1,3,4-thiodiazol-2-yl]-N,N'-dimethylurea

80 WP

- 200.0 Introduction
- 200.1 Uses: See attached sheet.
- 200.2 Background Information: Spike was accepted for total vegetation control use pattern on August 7, 1974. This request is to use Spike at reduced rates as maintenance of total vegetation control on areas that have been treated the year before with full rate of Spike or other total vegetation control product.
- 201.0 Data Summary
- 201.1.1 Brief Description of Tests: The data submitted was mostly from plots along railroads. These tests were conducted in Mo., Va., Al., Ky., In., Pa., Il., Mn., Neb., Or., Wy., Ca., Az., Wa., and Nev. Plot size was 1/2 to 25 acres, all plots were treated the previous year with either Spike or other total vegetation control product.
- 201.1.2 Data Summaries: See attached tables.
- 202.0 Conclusions
- 202.1 Claims Supported: The requested change is supported by the data submitted except for three species of weeds not controlled.
- 202.2 Claims Not Supported: The three species of weeds not controlled are camphorweed, plantain under 1.6 pounds ai per acre and dandelion under 2.4 pounds ai per acre. These species were either not adequately controlled or not listed in the experiments at the rates recommended. These three species can either be dropped from the label or data submitted to support claims for their control at the recommended rate.
- 202.3 The label should indicate the amount of water required or a range that would give the user some idea where to start; example from the tests 15 to 150 gallons.
- 203.1 Future Data Submissions: The data submitted with this request gave the soil texture as the ballast of the roadbed when the plots were alongside the track. The soil texture should be that of the soil where the plots are located. The data should, in the case of this request, include the product and rate used the previous year on the plots. It is suggested that plots

that have been treated the previous year (2x) and plots (1x) treated with the same maintenance rate but not the previous year be included for comparison. It is also suggested that at least one or two tests be included which correspond to the recommended sites for treatment given on the label, such as airport runways, utility substations, tank farms

204.0 Recommendations: The label revision is acceptable when the above comments in 202.2 have been resolved.

William C. LeCroy

William C. LeCroy
Efficacy Section
EEEB

1/16/76

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